

Amendments to the Specification

Please delete the following prior to the paragraph that begins at page 1, line 3, which consists of "Description".

Please delete the paragraph that begins at page 1, line 3, the Title, which begins with "Schottky Diode"

Please insert the following new paragraph, as the Title, prior to the paragraph that begins at page 1, line 6:

Schottky Diode Having Overcurrent Protection and Low Reverse  
Current

Please insert the following new paragraph prior to the paragraph that begins at page 1, line 6, but below the Title discussed above:

Field of the Invention

Please insert the following new paragraph prior to the paragraph that begins at page 1, line 15:

Background

Please insert the following new paragraph prior to the paragraph that begins at page 5, line 5:

Summary

Please replace the paragraph that begins at page 6, line 11 with the following amended paragraph:

~~The essential~~ A feature of the Schottky diode according to the invention is the fundamental idea that the starting area for the gradient or the resistance to overcurrents should be restricted to a small part of the diode surface, thus avoiding a large loss of area for the active Schottky part of the diode, and preventing a severe rise in the forward voltage. Since the p-doped regions are at least partially cohesive, it is possible to ensure that the starting process propagates rapidly. This allows a particularly significant reduction in the forward voltage to be combined in a very simple manner with good resistance to overcurrents.

Please insert the following new paragraph prior to the paragraph that begins at page 8, line 29:

Brief Description of The Drawings

Please insert the following new paragraph prior to the paragraph that begins at page 9, line 12:

Detailed Description

Please delete the all of the paragraphs of page 13, which begins with “List of reference symbols”.